

ABSTRACT OF THE DISCLOSRE

A synchronization circuit includes a state detection circuit for outputting a control signal according to the temporal relationship 5 between a transition point of an input signal and an edge of a synchronization clock, a delay selection circuit for adding a delay to the input signal based on the control signal, and a latch circuit for synchronizing the signal outputted from the delay selection circuit with the synchronization clock. Therefore, synchronization of the 10 input signal can be carried out without adding latency to the input signal.